

First Hit**End of Result Set**☐ [Generate Collection](#) [Print](#)

L3: Entry 1 of 1

File: PGPB

Aug 1, 2002

DOCUMENT-IDENTIFIER: US 20020103635 A1

TITLE: Efficient PCM bufferDetail Description Paragraph:

[0065] For example, under an exemplary 5.1 AAC decoding multi-channel format, the channels arrive in the following order: center (C), left (L), right (R), left surround (Ls), right surround (Rs), and low-frequency effect (LFE). Since the C channel arrives first in the stream, as described above the C channel buffer 802 is maximized, for example, to 2.times.1024 words. Then, since the L channel is decoded next, its decode time is preferably estimated for the worst-case encoding and sample rate, and this time is converted into number of playable PCM samples. The L Channel PCM buffer size 804 is thus made smaller than the PCM buffer for C channel by the number of samples that occur during that L-channel decode time, since PCM samples from all 6 PCM buffers will be played back during the L channel decode. Similarly, the size of PCM buffer for each channel decoded subsequently can be decreased from the previous channel PCM buffer.